

APPENDIX B

PA INFORMATION SOURCES

This appendix provides lists of information sources often useful to PA investigations. The lists are organized in two ways:

- ! Lists beginning on page B-2 identify information sources by category and explain information provided by each source. The categories are:
 - Databases
 - Maps and aerial photographs
 - Files
 - Expert and other sources

- ! The reverse approach begins on page B-12. Categories of information needs are listed and appropriate information sources are identified for each. The categories are:
 - General site information
 - Source and waste characteristics
 - Ground water use and characteristics
 - Surface water use and characteristics
 - Soil exposure characteristics
 - Air characteristics

More complete listings of PA information sources are available in EPA's "Site Assessment Information Directory." This reference volume provides office names, addresses, and telephone numbers of Federal, State, county, and municipal information sources.

PA INFORMATION SOURCES
(Organized by Information Source)

DATABASES

Source:	CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System)
Provides:	EPA's inventory of potential hazardous waste sites. Provides site name, EPA identification number, site address, and the dates and types of previous investigations.
Supports:	Site location and general descriptive information.
Contact:	EPA Regional office

Source:	HWDMS (Hazardous Waste Data Management System)
Provides:	EPA's inventory of hazardous waste producers. Contains information such as facility type, status, and ownership; RCRA status and permits held; treatment, storage, and disposal activities; amount of wastes generated.
Supports:	Site descriptive information and operational history, information on waste types and quantities.
Contact:	EPA Regional office

Source:	RCRA (Resource Conservation and Recovery Act) Database Printouts
Provides:	EPA's inventory of hazardous waste generators. Contains facility name, address, phone number, and contact name; EPA identification number; treatment, storage, and disposal history; and date of notification.
Supports:	Site descriptive information and operational history, information on waste types and quantities.
Contact:	EPA Regional office

Source:	NPDES (National Pollutant Discharge Elimination System) Database Printouts
Provides:	EPA's list of sites which have (or had) permits for wastewater disposal.
Supports:	Site descriptive information and operational history, information on waste types and quantities, permits.
Contact:	EPA Regional office

Source:	PATHSCAN
Provides:	Identifies surface water drinking water intakes and populations served.
Supports:	Locations of surface water drinking water intakes; populations served by surface water drinking water intakes; stream flow of surface water bodies.
Contact:	EPA's Office of Water Regulations and Standards

Source:	WellFax
Provides:	National Water Well Association's inventory of municipal and community water supplies. Identifies public and private wells within specified distances around a point location and the number of households served by each.
Supports:	Drinking water populations served by ground water.
Contact:	National Water Well Association (NWWA) 6375 Riverside Drive Dublin, Ohio 43017

Source:	Graphical Exposure Modeling System (GEMS)
Provides:	EPA's database of U.S. census data. Provides residential populations in specified distance rings around a point location.
Supports:	Residential populations.
Contact:	EPA's Office of Toxic Substances

Source:	National Planning Data Corporation (NPDC)
Provides:	Commercial database of U.S. census data. Provides residential populations in specified distance rings around a point location.
Supports:	Residential populations.
Contact:	National Planning Data Corporation 20 Terrace Hill Ithaca, New York 14850-5686

MAPS AND AERIAL PHOTOGRAPHS

Source:	U.S. Geological Survey (USGS) Topographic Quadrangles		
Provides:	Maps detailing topographic, geographical, political, and cultural features. Available in 7.5- and 15-minute series.		
Supports:	Site location and environmental setting; latitude/longitude; houses, schools, and other buildings; distances to targets; surface water body types; drainage routes; wetlands and sensitive environments; karst terrain features.		
Contact:	U.S. Geological Survey 12201 Sunrise Valley Drive Reston, VA 22092	or	USGS Regional or Field office

Source:	National Wetland Inventory Maps		
Provides:	Maps delineating boundaries and acreage of wetlands.		
Supports:	Environmental setting and wetlands locations.		
Contact:	U.S. Geological Survey 12201 Sunrise Valley Drive Reston, VA 22092	or	U.S. Fish and Wildlife Service 18th and C Streets, NW Washington, DC 20240

Source:	Ecological Inventory Maps		
Provides:	Maps delineating sensitive environments and habitats, including special land use areas, wetlands, study areas, and native plant and animal species.		
Supports:	Environmental setting, sensitive environments, wetland locations and size.		
Contact:	U.S. Geological Survey 12201 Sunrise Valley Drive Reston, VA 22092	or	U.S. Fish and Wildlife Service 18th and C Streets, NW Washington, DC 20240

Source:	Flood Insurance Rate Maps (FIRM)		
Provides:	Maps delineating flood hazard boundaries for flood insurance purposes.		
Supports:	Flood frequency.		
Contact:	Federal Emergency Management Agency (FEMA) Federal Insurance Administration Office of Risk Assessment 500 C Street, SW Washington, DC 20472	or	Local Zoning and Planning office

FILES

Source:	Office project files
Provides:	Site investigation reports, logbooks, telecons, references, etc.
Supports:	Information on nearby sites such as town populations, public and private water supplies, well locations, targets, and general stratigraphy descriptions.

Source:	EPA Regional Office files
Provides:	Historical information on CERCLIS sites, permits, violations, and notifications.
Supports:	General site information and operational history, source descriptions, waste quantities and waste handling practices. May provide results of previous site investigations.

Source:	State Environmental Agency files
Provides:	Historical site information, permits, violations, and notifications.
Supports:	General site information and operational history, source descriptions, waste quantities and waste handling practices. May provide results of previous site investigations.

EXPERT AND OTHER SOURCES

Source:	U.S. Geological Survey		
Provides:	Geologic, hydrogeologic, and hydraulic information including maps, reports, studies, and databases.		
Supports:	General stratigraphy descriptions, karst terrain, depth to aquifer, stream flow, ground water and surface water use and characteristics.		
Contact:	U.S. Geological Survey 12201 Sunrise Valley Drive Reston, VA 22092	or	USGS Regional or Field office

Source:	U.S. Army Corps of Engineers		
Provides:	Records and data surrounding engineering projects involving surface waters.		
Supports:	Ground water and surface water characteristics, stream flow, locations of wetlands and sensitive environments.		
Contact:	U.S. Army Corps of Engineers		

Source:	State Geological Survey		
Provides:	State-specific geologic and hydrogeologic information including maps, reports, studies, and databases.		
Supports:	General stratigraphy descriptions, karst terrain, depth to aquifer, ground water use and characteristics.		
Contact:	State Geological Survey (Local or Field office)		

Source:	Natural Heritage Program		
Provides:	Information on Federal and State designated endangered and threatened plants, animals, and natural communities. Maps, lists, and general information may be available.		
Supports:	Location of sensitive environments and wetlands.		
Contact:	State Environmental Agency		

Source:	U.S. Fish and Wildlife Service		
Provides:	Environmental information.		
Supports:	Locations of sensitive environments, wetlands, fisheries; surface water characteristics and stream flow.		
Contact:	U.S. Fish and Wildlife Service 18th & C Streets, NW Washington, DC 20240	or	U.S. Fish and Wildlife Service Regional office

Source:	Local Fish and Wildlife Officials		
Provides:	Local environmental information.		
Supports:	Locations of sensitive environments, wetlands, fisheries; surface water characteristics and stream flow.		
Contact:	State or Local Environmental Agency State or Local Game or Conservation office		

Source:	Local Tax Assessor		
Provides:	Past and present land ownership records, lot and building sizes, assessors maps. May also provide historical aerial photographs.		
Supports:	Name of present and past owners/operators, years of ownership, size of site, and operational history.		
Contact:	Local Town Government office		

Source:	Local Water Authority		
Provides:	Public and private water supply information, including service area maps, well locations and depths, well logs, surface water intake locations, information regarding water supply contamination.		
Supports:	Locations and populations served by municipal and private drinking water sources (wells and surface water intakes), pumpage and production, blended systems, depth to aquifer, general stratigraphic descriptions, ground water and surface water characteristics, stream flow.		
Contact:	Local Town Government office		

Source:	Local Health Department
Provides:	Information and reports regarding health-related problems that may be associated with a site. Information on private and municipal water supplies, and onsite monitoring wells.
Supports:	Primary/secondary targets differentiation, locations and characteristics of public and private drinking water supplies, possible identification of hazardous substances present at the site.
Contact:	Local Town Government office

Source:	Local Zoning board or Planning Commission
Provides:	Records of local land development, including historical land use and ownership, and general stratigraphy descriptions.
Supports:	General site description and history, previous ownership, and land use.
Contact:	Local Town Government office

Source:	Local Fire Department
Provides:	Records of underground storage tanks in the area, material safety data sheets (MSDS) for local commercial and industrial businesses, and other information on hazardous substances used by those businesses.
Supports:	Location and use of underground storage tanks and other potential sources of hazardous substances, identification of hazardous substances present at the site.
Contact:	Local Town Government office

Source:	Local Well Drillers
Provides:	Public and private water supply information including well locations and depths, well logs, pumpage and production.
Supports:	Populations served by private and municipal drinking water wells, depth to aquifer, general stratigraphic information.

Source:	Local University or College
Provides:	Geology/environmental studies departments may have relevant published materials (reports, theses, dissertations) and faculty experts knowledgeable in local geologic, hydrologic, and environmental conditions.
Supports:	General stratigraphic information, ground water and surface water use and characteristics, stream flow.

Source:	Site Reconnaissance
Provides:	Onsite and/or offsite visual observation of the site and surrounding area.
Supports:	General site information; source identification and descriptions; general ground water, surface water, soil, and air pathway characteristics; nearby targets; probable point of entry to surface water.

PA INFORMATION SOURCES
(Organized by Information Need)

GENERAL SITE INFORMATION	
<u>Site Location, Latitude/Longitude</u>	<u>Type of Operation and Site Status</u>
CERCLIS USGS Topographic Maps State Department of Transportation Maps Site Reconnaissance	EPA Regional Office Files State Environmental Agency Files Site Reconnaissance HWDMS NPDES CMELS
<u>Owner/Operator Information</u>	<u>Environmental Setting, Size of Site</u>
EPA Regional Office Files State Environmental Agency Files Local Tax Assessor HWDMS NPDES CMELS	USGS Topographic Maps Aerial Photographs Site Reconnaissance

SOURCE AND WASTE CHARACTERISTICS	
<u>Source Types, Locations, Sizes</u>	<u>Hazardous Substances Present</u>
EPA Regional Office Files State Environmental Agency Files Aerial Photographs Site Reconnaissance	EPA Regional Office Files State Environmental Agency Files RCRA HWDMS NPDES Local Health Department Local Fire Department
<u>Waste Types and Quantities</u>	
EPA Regional Office Files State Environmental Agency Files RCRA HWDMS NPDES CMELS Local Fire Department Aerial Photographs Site Reconnaissance	

GROUND WATER USE AND CHARACTERISTICS

General Stratigraphy

USGS Topographic Maps
U.S. Geological Survey
State Geological Surveys
Geologic and Bedrock Maps
Local Experts
Local University or College

Private and Municipal Wells

Local Water Authority
Local Health Department
Local Well Drillers
State Environmental Agency files
WellFax
FRDS
WATSTORE

Karst Terrian

USGS Topographic Maps
U.S. Geological Survey
State Geological Surveys
Geologic and Bedrock Maps
Local Experts
Local University or College

Distance to Nearest Drinking Water Well

USGS Topographic Maps
Local Water Authority
Local Well Drillers
Local Health Department
WellFax
FRDS
WATSTORE
Site Reconnaissance

Depth to Aquifer

U.S. Geological Survey
State Geological Surveys
Geologic and Bedrock Maps
Local Well Drillers
Local Experts
FRDS
WATSTORE

Wellhead Protection Areas

State Environmental Agency
Local Water Authority
Local Well Drillers
Local Health Department
EPA Regional Water Officials

SURFACE WATER USE AND CHARACTERISTICS

Surface Water Body Types

USGS Topographic Maps
State Department of Transportation Maps
Aerial Photographs
Site Reconnaissance

Drinking Water Intakes

Local Water Authority
USGS Topographic Maps
U.S. Army Corps of Engineers
State Environmental Agency
PATHSCAN
FRDS

Distance to Nearest Surface Water Body

USGS Topographic Maps
State Department of Transportation Maps
Aerial Photographs
Site Reconnaissance

Fisheries

U.S. Fish and Wildlife Service
State Environmental Agency
Local Fish and Wildlife Officials

Surface Water Flow Characteristics

U.S. Geological Survey
State Environmental Agency
U.S. Army Corps of Engineers
Local Water Authority
PATHSCAN
STORET
FRDS
WATSTORE

Sensitive Environments

USGS Topographic Maps
State Department of Transportation Maps
State Environmental Agency
U.S. Fish and Wildlife Service
Local Fish and Wildlife Officials
National Wetland Inventory Maps
Ecological Inventory Maps
Natural Heritage Program

Flood Frequency at the Site

Federal Emergency Management Agency
State Environmental Agency

SOIL EXPOSURE CHARACTERISTICS	
<u>Number of People Living Within 200 feet</u>	<u>Schools or Day Care Within 200 feet</u>
Site Reconnaissance USGS Topographic Maps Aerial Photographs	Site Reconnaissance USGS Topographic Maps Local Street Maps
<u>Number of Workers Onsite</u>	<u>Locations of Terrestrial Sensitive Environments</u>
Site Reconnaissance Owner/Operator Interviews	USGS Topographic Maps State Department of Transportation Maps State Environmental Agency U.S. Fish and Wildlife Service Local Fish and Wildlife Officials Ecological Inventory Maps Natural Heritage Program

AIR PATHWAY CHARACTERISTICS	
<u>Populations Within Four Miles</u>	<u>Locations of Sensitive Environments, Acreage of Wetlands</u>
GEMS NPDC USGS Topographic Maps Site Reconnaissance	USGS Topographic Maps State Department of Transportation Maps State Environmental Agency U.S. Fish and Wildlife Service Local Fish and Wildlife Officials National Wetland Inventory Maps Ecological Inventory Maps Natural Heritage Program
<u>Distance to Nearest Individual</u>	
USGS Topographic Maps Site Reconnaissance	